Data Visualization in R

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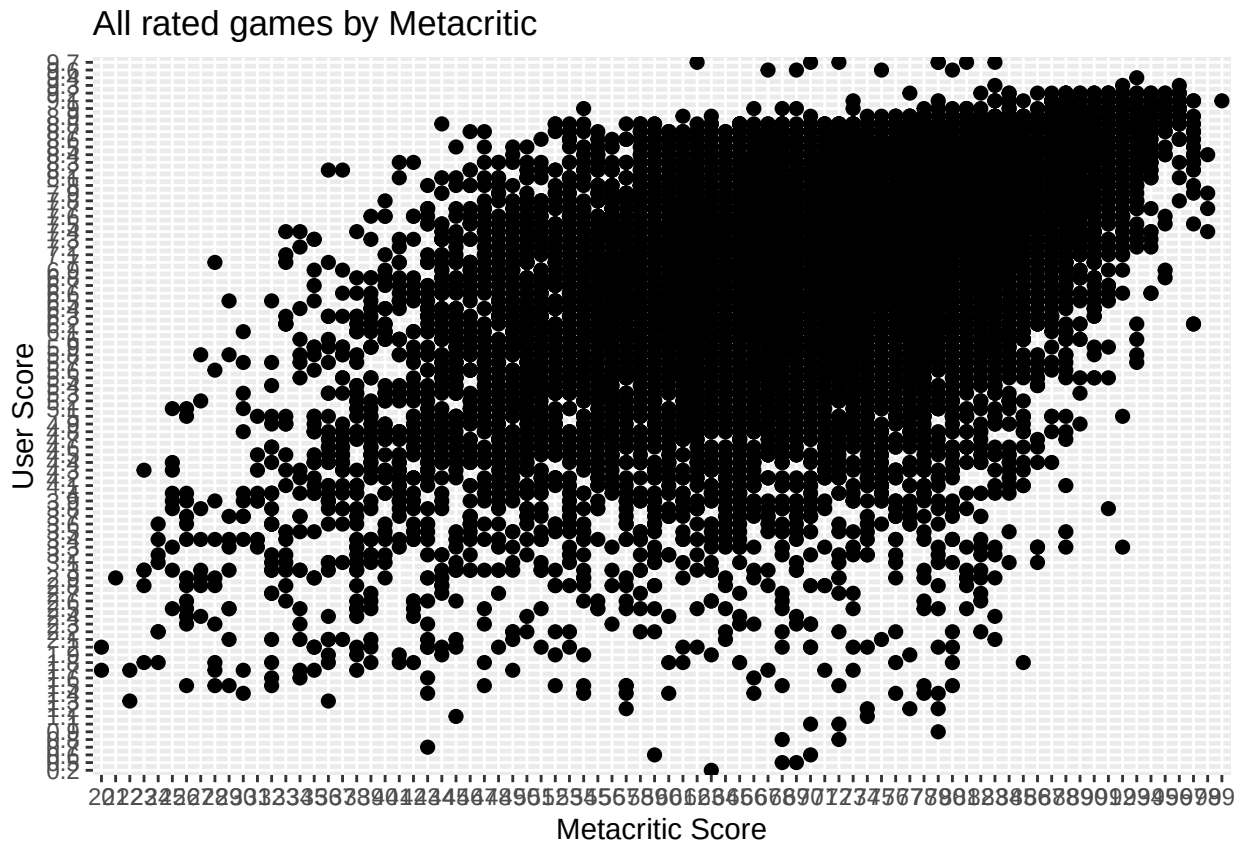
```
library(RCurl)
library(plyr)
library(ggplot2)
library(randomcoloR)
library(lubridate)
```

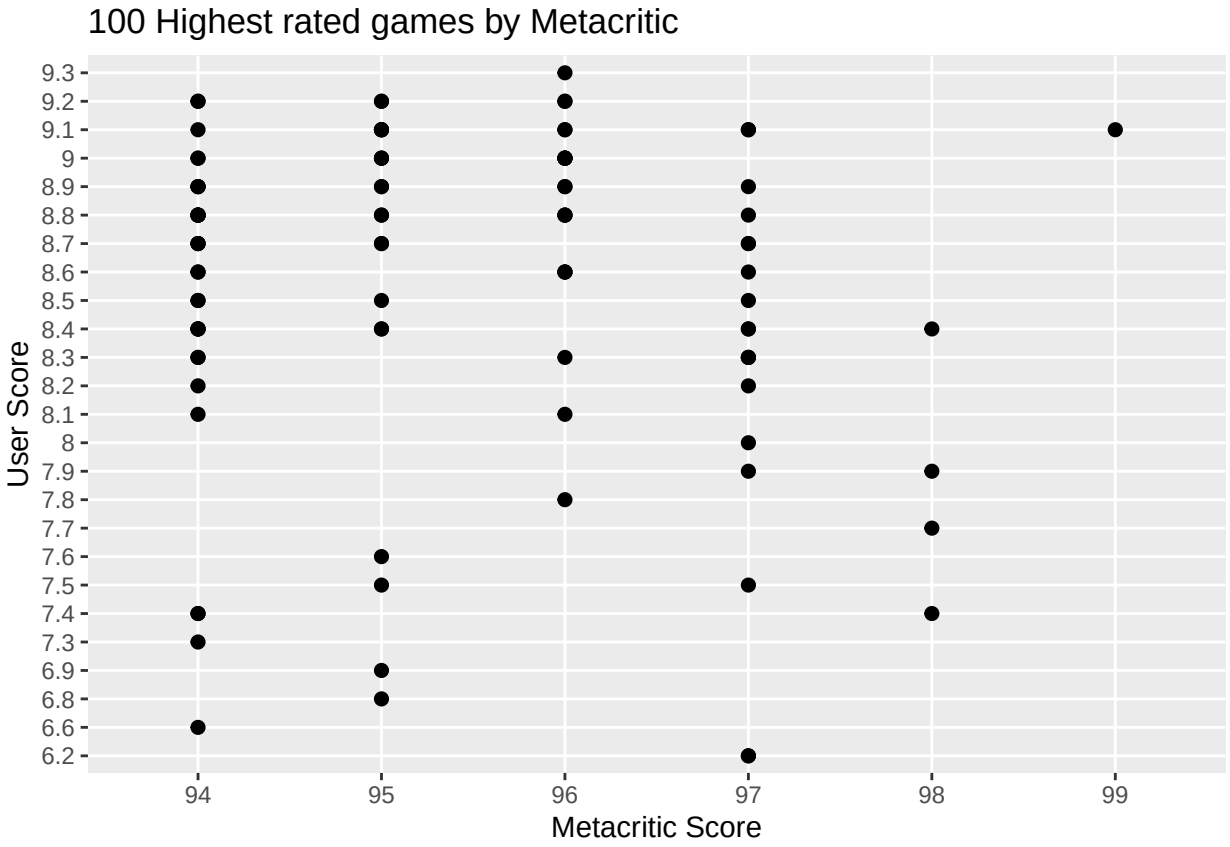
```
##
## Attaching package: 'lubridate'
```

```
## The following objects are masked from 'package:base':
##
##     date, intersect, setdiff, union
```

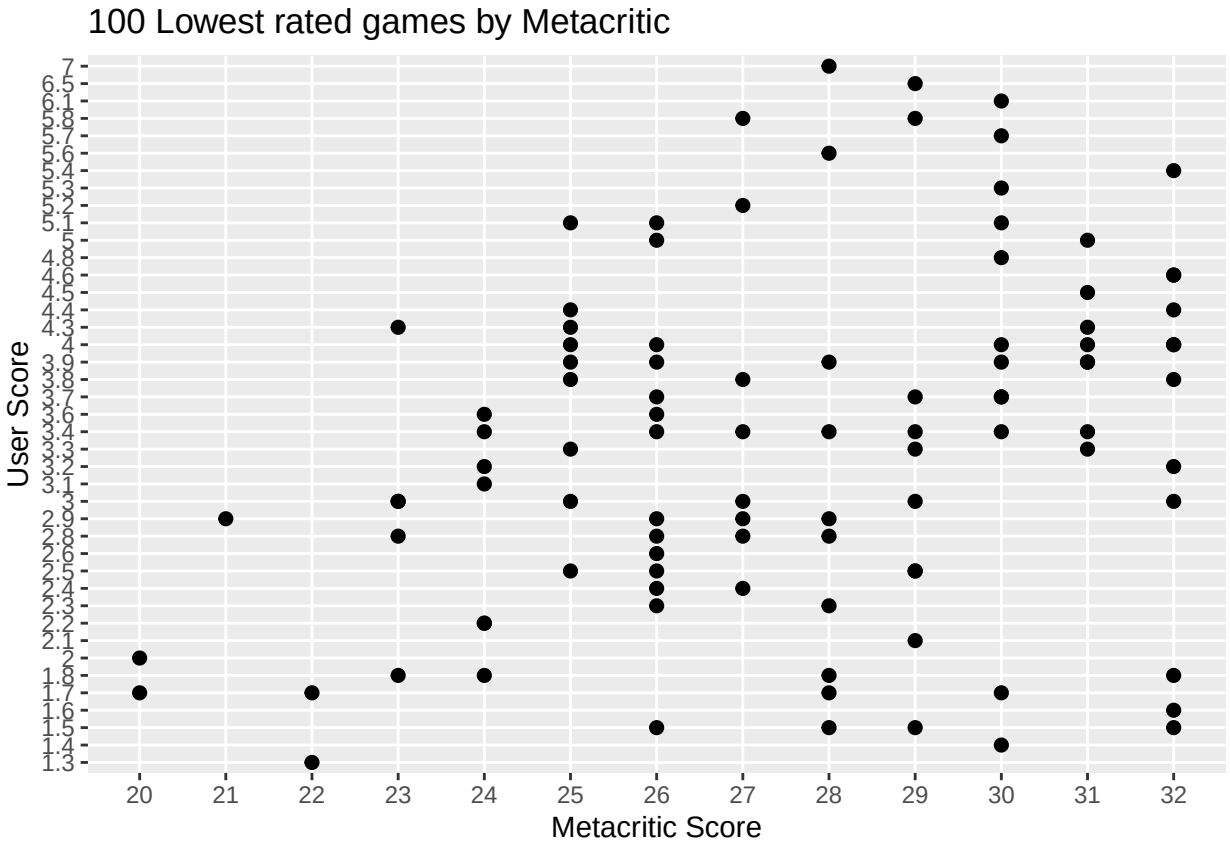
```
dataUrl <- getURL("https://raw.githubusercontent.com/vyom-devgan/Data-Visualization/main/all_games.csv")
games <- read.csv(text = dataUrl)
games <- games[,-4]

games2 <- subset(games, user_review != "tbd")
games2 <- transform(games2, user_review = as.numeric(user_review))

top100 <- games2[1:100,]
bot100 <- tail(games2, n = 100)


ggplot(games2, aes(x = factor(meta_score), y = factor(user_review))) +
  geom_point(size=2) + ggtitle("All rated games by Metacritic") +
  xlab("Metacritic Score") + ylab("User Score")
```



```
ggplot(top100, aes(x = factor(meta_score), y = factor(user_review))) +
  geom_point(size=2) + ggtitle("100 Highest rated games by Metacritic") +
  xlab("Metacritic Score") + ylab("User Score")
```

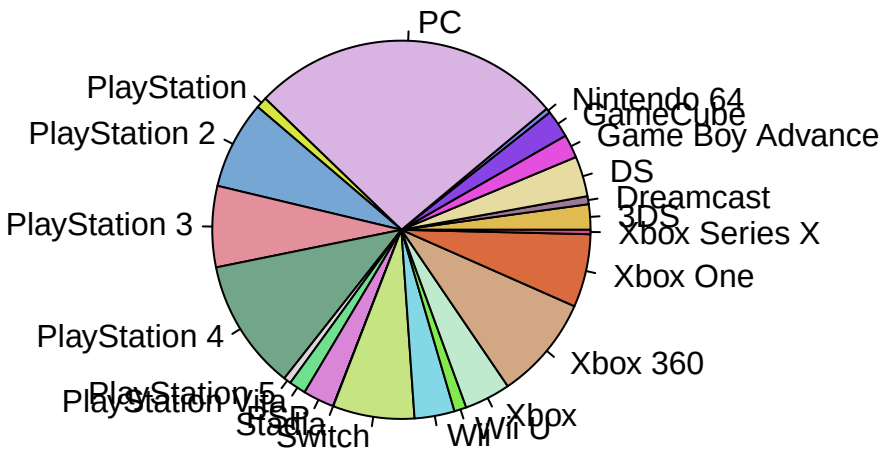


```
ggplot(bot100, aes(x = factor(meta_score), y = factor(user_review))) +
  geom_point(size=2) + ggtitle("100 Lowest rated games by Metacritic") +
  xlab("Metacritic Score") + ylab("User Score")
```



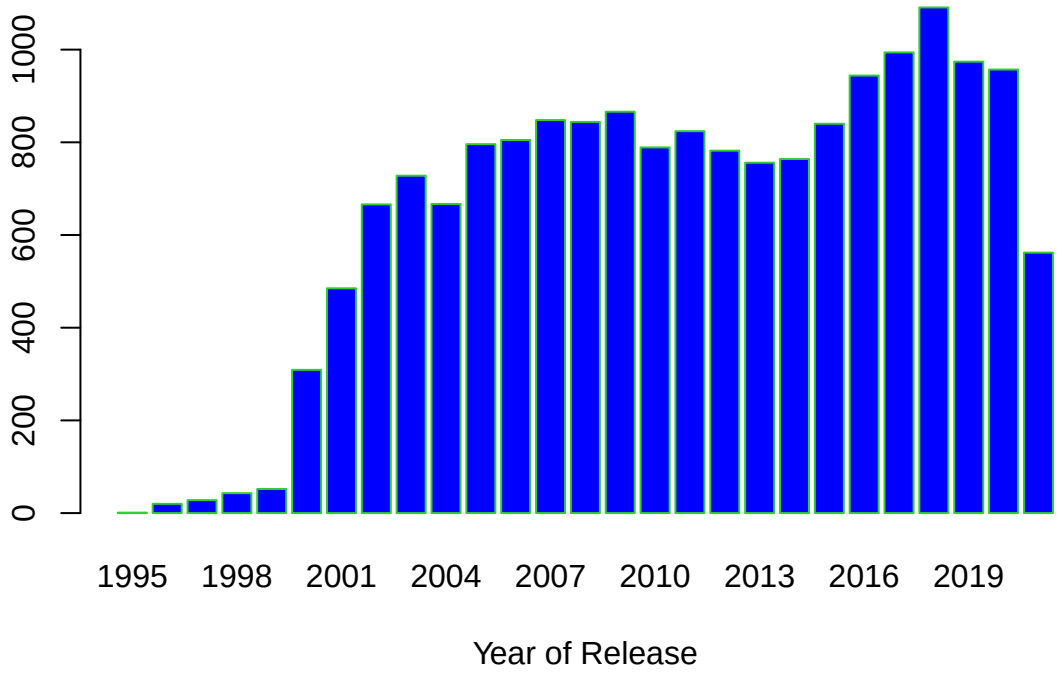

```
counts <- count(games2, 'platform')
```

```
palette <- distinctColorPalette(23)
pie(counts$freq, labels = counts$platform,
    main = "Platform Distribution", col = palette)
```




```
games2$release_date <- year(mdy(games2$release_date))
```

```
gamedata <- table(games2$release_date)
barplot(gamedata, main = "Release Year vs Game Released",
        xlab = "Year of Release", border = "#32cd32", col = "blue")
```


Release Year vs Game Released
0
200
400
600
800
1000
1995
1998
2001
2004
2007
2010
2013
2016
2019
Year of Release